

SPU

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/786,720	
	Filing Date	February 26, 2004	
	First Named Inventor	Margot Mary O'TOOLE <i>et al</i>	
	Group Art Unit	Not Yet Assigned	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission		Attorney Docket Number	031896-23000

ENCLOSURES *(check all that apply)*

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> PTO Form-1449 with sixty-five (65) references
Remarks		<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Raymond Van Dyke, Registration No. 34,746 Nixon Peabody LLP 401 9 th Street, N.W. Suite 900 Washington, D.C. 20004-2128
Signature	
Date	April 8, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT application of:)
Margot M. O'TOOLE *et al.*) Group Art Unit: To Be Assigned
Application No.: 10/786,720) Examiner: To Be Assigned
Filed: February 26, 2004)
For: COMPOSITIONS AND METHODS)
FOR DIAGNOSING AND TREATING)
AUTOIMMUNE DISEASE)

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents is enclosed.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

In addition, some of these documents were cited during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the Examiner. An English-language counterpart of the foreign-language document has not been provided. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 C.F.R. § 1.98 and M.P.E.P. § 609).

Patent Application No. 10/786,720
Docket No. 031896-023000 (AM101331L)
PATENT


It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

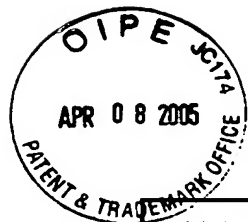
Date: April 8, 2005

By:



Raymond Van Dyke
Registration No. 34,746

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, D.C. 20004-2128
Telephone: (202) 585-8000



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/786,720
Filing Date	February 26, 2004
First Named Inventor	O'TOOLE, et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	031896-023000 (AM101331L)

Sheet 1 Of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		4,489,710	12-25-1984	Spitler	
		4,522,811	06-11-1985	Eppstein et al.	
		4,554,101	11-19-1985	Hopp	
		4,569,789	02-11-1986	Blattler et al.	
		4,625,014	11-25-1986	Senter et al.	
		4,638,045	01-20-1987	Kohn et al.	
		4,671,958	06-09-1987	Rodwell et al.	
		4,690,905	09-01-1987	Diamond et al.	
		4,751,180	06-14-1988	Cousens et al.	
		4,935,233	06-19-1990	Bell et al.	
		4,980,281	12-25-1990	Housey	
		5,266,464	11-30-1993	Housey	
		5,459,039	10-17-1995	Modrich et al.	
		5,688,635	11-18-1997	Parker et al.	
		5,877,007	03-02-1999	Housey	
		5,919,619	07-06-1999	Tullis	
		6,280,941	08-28-2001	Tsao et al.	
		2003/0148298	08-07-2003	O'Toole, M. et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO00/44895	10-26-2000	Pachuk et al.		
		WO00/63364	08-03-2000	Kreutzer et al.		
		WO01/29058	04-26-2001	Mello et al.		
		WO01/36646	05-25-2001	Zernicka-Goetz et al.		
		WO01/68836	09-20-2001	Beach et al.		
		WO01/70949	09-27-2001	Graham et al.		
		WO01/75164	10-11-2001	Tuschl		
		WO01/92513	12-06-2001	Arndt et al.		
		WO89/10134	11-02-1989	Pardridge et al.		
		WO99/14346	03-25-1999	Woolf		
		WO04/036221	04-29-2004	O'Toole et al.		
Examiner Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>			
				Application Number		10/786,720	
				Filing Date		February 26, 2004	
				First Named Inventor		O'TOOLE, et al.	
				Art Unit		Not Yet Assigned	
				Examiner Name		Not Yet Assigned	
Sheet	2	Of	3	Attorney Docket Number		031896-023000 (AM101331L)	
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS							
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ²
		DELAGRAVE <i>et al.</i> , <i>Protein Engineering</i> , 6:327-331, 1993					
		FRAMPTON <i>et al.</i> , <i>Rheumatology</i> , 39:1114-1120, 2000					
		GOSSEN <i>et al.</i> , <i>Science</i> , 268: 1766-1769, 1995					
		HILL <i>et al.</i> , <i>Genome Biol.</i> , 2(12):1-13, 2001					
		KEEN <i>et al.</i> , <i>Trends Genet.</i> , 75, 1991					
		LAM, <i>Anticancer Drug Des.</i> , 12:145-167, 1997					
		MARATEA <i>et al.</i> , <i>Gene</i> , 40:39-46, 1985					
		MURPHY <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 83:8258-8262, 1986;					
		MYERS <i>et al.</i> , <i>Science</i> , 230: 1242-1246, 1985					
		ADACHI, <i>Cancer Res.</i> , 56:1751-1755, 1996					
		DUAN, <i>FEBS Lett.</i> , 499:127-132, 2001					
		HAMMOND <i>et al.</i> , <i>J. Immunol.</i> , 161:3282-91, 1998					
		HECKENLIVELY, <i>Arch. Ophthalmol.</i> , 118:1525-33, 2000					
		LAGAUDRIERE-GESBERT <i>et al.</i> , <i>J. Immunol.</i> , 158:2790-2797, 1997					
		LEBEL-BINAY <i>et al.</i> , <i>J. Immunol.</i> , 155:101-110, 1995					
		LOCKHART <i>et al.</i> , <i>Nature Biotechnology</i> , 14:1675-80, 1996					
		MAEDA <i>et al.</i> , <i>Eur. J. Immunol.</i> , 32:2300-2307, 2002					
		ROTH <i>et al.</i> , <i>Oncogene</i> , 19:4210-4220, 2000					
		SUI <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> 99: 5515-5520, 2002					
		XU <i>et al.</i> , <i>Biochem. Biophys. Res. Commun.</i> , 292:944-950, 2002					
		XU <i>et al.</i> , <i>J. Biol. Chem.</i> , 274:31286-31290, 1999					
		YOSHINO <i>et al.</i> , <i>Mech. Dev.</i> , 192:45-55, 2001					
Examiner Signature						Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/786,720
				Filing Date	February 26, 2004
				First Named Inventor	O'TOOLE, et al.
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	3	Of	3	Attorney Docket Number	031896-023000 (AM101331L)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BAZHIN <i>et al.</i> , <i>Lung Cancer</i> , 34:99-104, 2001	
		NEEDLEMAN and WUNSCH, <i>J. Mol. Biol.</i> , 48:444-453, 1970)	
		NO <i>et al.</i> , <i>Proc. Natl. Acad. Sci., USA</i> , 93: 3346-3351, 1996	
		ROSENBAUM and REISSNER, <i>Biophys. Chem.</i> , 26:235-246, 1987	
		SAIKI <i>et al.</i> , <i>Proc Natl. Acad. Sci. USA</i> , 86:6230, 1989	
		THEOFILOPOULUS, <i>Immunology Today</i> , 15:150-58, 1995	
		WANG <i>et al.</i> , <i>Nat. Biotech.</i> , 15: 239-243, 1997	
		YE <i>et al.</i> , <i>Science</i> , 283 88-91, 1999	
		ZUCKERMANN <i>et al.</i> , <i>J. Med. Chem.</i> , 37: 2678-85, 1994	
		International Application No. PCT/US2004/005655 International Search Report dated November 8, 2004	
		ROZZO, STEPHEN J. et al., "Evidence for an interferon-inducible gene, Ifi202, in the susceptibility to systemic lupus," <i>Immunity</i> , 15(3): 435-443, 2001	
		MOSER, KATHY L. et al., "The use of microarrays to study autoimmunity," <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 9(1):18-22, 2004	
		BENNETT, LYNDA et al., "Interferon and granulopoiesis signatures in systemic lupus erythematosus blood," <i>Journal of Experimental Medicine</i> , 197(6):711-723, 2003	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.